

Atty. File No. 144-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Watkins, et al.

Serial No.: 08/594,175

Group Art Unit: 1508

Filed: January 31, 1996

Examiner: G. Kishore

For: LIPID VESICLES FORMED WITH ALKYLAMMONIUM
FATTY ACID SALTS

RECEIVED

APR 02 1998

GROUP 1500

To: Assistant Commissioner of Patent and Trademarks
Washington, DC 20231

CERTIFICATE OF MAILING

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MATRIX CUSTOMER
SERVICE CENTER

AFFIDAVIT UNDER 37 CFR 1.132

Ass't Commissioner of Patents and Trademarks
Washington, DC 20231

Dear Sir:

Dr. David C. Watkins, a named inventor in the above-identified application, being
duly sworn, deposes and says:

1. That I am a doctor of Biochemistry, having received a D.Phil. in Biochemistry from
the University of Sussex, Brighton, United Kingdom in May 1984.

- Gao, P., Watkins, DC and Malbon, C.C. (1995) Constitutively active mutant $G_{s\alpha}$ (G225T) and null-mutant $G_{\alpha i2}$ (G203T) induce primitive endoderm from stem cells. *Am. J. Physiol.* C1460-C1465
- Watkins, DC, Moxhan, C.M., Morris, A.J. and Malbon, C.C. (1994) Suppression of $G_{i\alpha 2}$ enhances phospholipase C signaling. *Biochem. J.*, 299, 593-596
- Wang, H.Y., Watkins, DC and Malbon, C.C. (1992) Antisense oligodeoxynucleotides to G_s protein alpha-subunit sequence accelerate differentiation of fibroblasts to adipocytes. *Nature*, 358, 334-337
- Watkins, DC, Johnson, G.L. and Malbon, C.C. (1992) Regulation of the differentiation of teratocarcinoma cells into primitive endoderm by $G_{\alpha i2}$. *Science*, 258, 1373-1375
- Rapiejko, P.J., Watkins, DC, Ros, M. and Malbon, C.C. (1990) G-protein subunit mRNA levels in rat heart, liver, and adipose tissues: analysis by DNA-excess solution hybridization. *Biochem. Biophys. Acta*, 1052, 348-350
- Guest, S.J., Hadcock, J.R., Watkins, DC and Malbon, C.C. (1990) Beta 1- and beta 2-adrenergic receptor expression in differentiating 3T3-L1 cells. Independent regulation at the level of mRNA. *J. Biol. Chem.*, 265, 5370-5375
- Hadcock, J.R., Ros, M., Watkins, DC and Malbon, C.C. (1990) Cross-regulation between G-protein-mediated pathways. Stimulation of adenylyl cyclase increases expression of the inhibitory G-protein, G_i alpha 2. *J. Biol. Chem.*, 265, 14784-14790
- Galvin-Parton, P.A., Watkins, DC and Malbon, C.C. (1990) Retinoic acid modulation of transmembrane signaling. Analysis in F9 teratocarcinoma cells. *J. Biol. Chem.*, 265, 17771-17777.

11. That I am an inventor of this invention, which includes apparatus and process for preparing cationic liposomes (or CATEZOMESTM).

2. That I have done post-doctoral work under Dr. Craig C. Malbon for four (4) years in the field of Pharmacology from May 1984 through March 1988.
3. That I have been employed as an Instructor in the Department of Pharmacology at the State University of New York at Stony Brook for two (2) years from March 1988 through March 1990.
4. That I have been employed as a Research Assistant Professor of Pharmacology at the State University of New York at Stony Brook for three (3) years from March 1990 through March 1993.
5. That I have been employed by Collaborative Laboratories for one (1) year as Group leader of Biochemistry from March 1993 through May 1994.
6. That I have been employed by Collaborative Laboratories for three (3) years as Manager of Biochemical Services from May 1994 through May 1997.
7. That I have been employed by The Collaborative Group for nine (9) months as Director of Project Development.
8. That I have held the position of Adjunct Assistant Professor of Pharmacology at the State University of New York at Stony Brook for five (5) years from March 1993 through the present time.
9. That I have held the position of Director of Biochemistry at Clear Solutions Biotechnology for almost three (3) years since March 1995, through the present time.
10. That I have published numerous papers in the fields of Biochemistry and Pharmacology, including, but not limited to, the following:

Watkins, D.C., Assmann, M., Ansaldi, A. and Hayward, J.A. (1997)
Catezomes™ : a novel delivery system for hair conditioning. *Cosmetics and Toiletries Manufacturing Worldwide*. Aston Publishing Group, Hemel Hempstead, UK.

Watkins, DC (1996) Liposomes: back to the future. *BioPharm*, 9, 28.

12. That based on my recited experience in the field of liposomes and encapsulation technologies, I hold myself out as an expert in same field.

13. That cationic liposomes disclosed by this invention were not on sale, nor commercially used before January 10, 1996

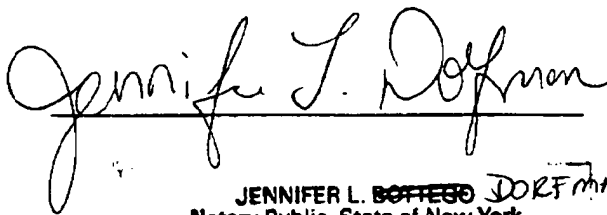
Dated: Stony Brook, NY



David Watkins

Co-inventor

Sworn to before me this
16th day of February, 1998.



JENNIFER L. ~~BOFFEO~~ DORFMAN
Notary Public, State of New York
No. 01804969345
Qualified in Suffolk County
Commission Expires 7-16-98